

LED PAR LIGHT (infrared control)



Model: YR-P0319SIR
(R4/G5/B5/W5)

User Manual

Please read these instructions carefully before use

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- ✧ Troubleshooting

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Section 1. Getting Started

- ✧ Unpacking
- ✧ Safety Instruction

Unpacking

- 1pc Fixture
- 1pc User Manual
- 1pc Power switchable Cable
- 1pc Signal Cable
- IR controller

Thanks for using our LED PAR LIGHT range. Carefully unpack the box and check the contents to ensure that all parts are present and in good conditions. If anything looks as if it has been damaged in transit, notify the shipper immediately and keep the packing material for inspection. Again, please save the carton and all packing materials. If a fixture must be returned to manufacturer, it is important that the fixture be returned in the original manufacturer box and packing.



Safety Instruction

For your safety, please read this user manual carefully before operation. The machine should be operated by qualified engineer!

- Please conserve this manual as operation guidance. If you sell this product to other user, please make sure that they also receive this user manual.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the fixture.
- The fixture is intended to indoor use only. To prevent risk of fire or shock, do not expose fixture to rain or moisture. Make sure there are no flammable, explosive or corrosive materials surrounded in 0.5 meter while operating.
- The unit must be installed in a location with adequate ventilation, at least 50CM away from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Do not operate at ambient temperatures higher than 104°F (40°C).
- Safe wire should be used to install machine. Bearing of safe wire should be 3 times of the machine weight. Complimentary signal cable transmits signals to 20 unit fixtures at most. Signal amplifier is a must to connect more fixtures. Sectional area of complimentary power cable is 1m². In daisy chain model, it allows to connect to 4 fixtures at most.
- Always disconnect from the power source before servicing or replacing fuse/lamp and be sure to replace with same fuse/lamp size and type. Cut off power before moving, repairing and cleaning the machine.
- Secure fixture using a safety chain and carrying handles. Never carry the fixture by its cord.
- In case of failure or malfunction occurred, stop using the unit immediately.
- Repairs carried out by unskilled people can lead to damage or malfunction. Buy the same spare parts/components from manufacturer directly.
- To avoid electric shock, all fixtures must be connected to circuits with a suitable ground. Make sure the power cord is never crimped or damaged. Do not power on and power off the fixture in a short time. For your safety, do not touch fixture when running.
- When use DMX controller, please make sure that there is no interference sources(e.g. intercom, high frequency radio waves and radiation source)

Caution! There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your local distribution or after-sale service center.



合格证
CERTIFICATE

本产品经检验符合技术条件, 准予出厂:
The product Has Been Tested According To Technical Requirements And Passed:

检验员 _____

本公司有权对此份产品说明书进行修改, 恕不另行通知。

Our company reserve right to revise this user manual without notice!

Innovation | Efficiency | Dedication | Harmonious



保修卡

Protection to Fix Card

非常感谢您使用我们的产品

1. 本产品从购买日起，正常操作使用并未经拆修，经保修人员确认属产品质量问题，一年内享受保修服务，在任何正常情况下均提供维修。
2. 保修卡应在购买时予填写。保修卡无本公司保修章无效。产品维护时请带保修卡。

Very thank you for using our products

1. This product from the acquisition, normal operation and all the parts inside the, the warranty of quality products confirm asked problem, enjoy a year warranty service, in any normal maintenance are available.
2. The warranty card when buy should be to fill in. Without this company product warranty chapter ss invalid. Please bring the product maintenance warranty Card.

顾客姓名 Customer Name	购买日期 Purchasing Date	产品型号 Product Model	购买商 Purchaser
保修记录： Warranty record			

广州市雅格莱灯光音响设备有限公司

Guangzhou City Ya Ge Lai Lighting&Audio Equipment Co.,Ltd.

地址：广州市白云区人和镇东华工业区东昌路6号

Address:No.6., Dong Chang Road ,Dong Hua Emigrant Industrial Park , Ren He Town, Baiyun District, Guangzhou City, Guangdong province, China.

Section 2. Set Up

- ✧ Installation
- ✧ Controlling Board
- ✧ Machine Connection

Installation

This machine should be mounted through the screw holes of truss. Safety wire is a must to fix fixture well. Make sure truss and safety wire have strong load capacity to bear 3 times weight than fixture at least. This machine should be installed by qualified technician.

Controlling Board AND Front display panel

1. Display
- Display menu and selected function.



2. Button

MENU	switch menu function
UP	On function: page up On numerical value: increase value
DOWN	On function: page down On numerical value: reduce value
ENTER	Settle selected function and value

3. DMX signal input

Control model by DMX signal, please use 3pin XLR signal cable.

4. DMX Signal output

Transfer DMX signal to next model, please use 3pin XLR signal cable.

5. Power PLUG

Connect to obtain power (attention: please use connect to stated voltage.)

Specification:

- Voltage: AC110V-240V
- Frequency: 50/60Hz
- Rated Power: 80W
- LED: 3WX19pcs (RED 4/GREEN 5/BLUE5/WHITE5)
- Control: DMX512
- Beam angle: 30°
- Channel: 9/5 channels (switchable)
- Control Mode: DMX 512, AUTO, SOUND, IR CONTROL, MASTER/SLAVE
- Level of Protection: IP22
- Stock: Clean and Dry place
- Running Temp.: 0°C~40°C
- Weight: 1.1kg
- Size: 19*16*14cm (excluding bracket)

DMX protocol

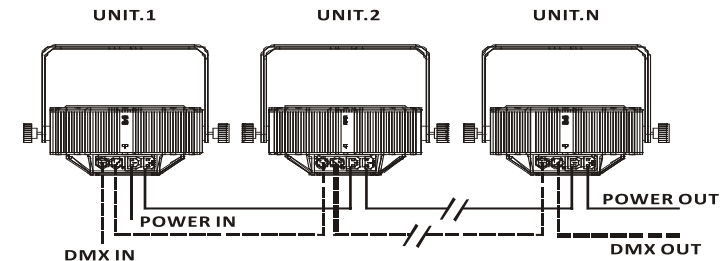
DMX512 Channel Chart: (5CH)

CH	Function	Specification
CH1	Dimmer	R G B W color from dark to bright
CH2	R dimmer	Red color from dark to bright
CH3	G dimmer	Green color from dark to bright
CH4	B dimmer	Blue color from dark to bright
CH5	W dimmer	White color from dark to bright

DMX512 Channel Chart: (9CH)

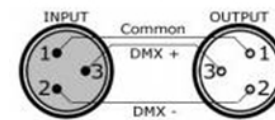
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CH5	W dimmer	White color from dark to bright
CH6	Strobe	7 color flash speed, from slow to fast
CH7	Color mix	Seven color mix
CH8	Auto	0-60: shade ; 61-120: skip ; 121-180: shade+skip ; 181-240: flash by sound ; 241-255: skip by sound
CH 9	Auto Speed	DMX8 Channel auto speed & sound volume adjust(from slow to fast)

Machine Connection



Cable Connectors

Cables must have a male XLR connector on one end and a female XLR connector on the other end.



A word on termination: DMX is a resilient communication protocol, however errors still occasionally occur. Termination reduces signal errors, and therefore best practices include use of a terminator in all circumstances. If you are experiencing problems with erratic fixture behavior, especially over long signal cable runs, a terminator may help improve performance.



To build your own DMX Terminator: Obtain a 120-ohm, 1/4-watt resistor, and wire it between pins 2&3 of the last fixture. They are also readily available from specialty retailers.

Maximum 8 PCS fixtures connected by Daisy chain connection.

Master-Slave control model:

Set up one fixture as Master fixture(triggering),other fixtures as slave fixtures(receiving trigger signals).Set up all fixtures **same** address value or following DMX controller performance(Attention: all fixtures use the same DMX

channel-7 or 11CH)

	Probable cause(s)	Remedy
No response from fixture when power is applies	No power to fixture	Check power cables
	Primary fuse blown	Replace fuse
	Secondary fuse blown	Replace fuse
Fixture resets but does not respond correctly to controller(DMX mode operation)	Controller not connected	Connect controller
	Incorrect addressing of the fixtures	Check address setting on fixture and controller
	Bad data link connection	Inspect cables and correct poor connections and/or broken cables.
	Conflict between tracking and vector control	Eliminate scene cross-fade on controller
	Data link not terminated	Insert termination plug in output of last fixture
	Defective fixture or 2 devices transmitting on link	Bypass fixtures one at a time until normal operation is regained:unplug both connectors and connect them directly together
Colors cannot be mixed	Random color mixing is on	Turn off random color mixing
Fixture does not reset correctly	Electronic or mechanical failure	Contact service technician
No light, lamp cuts out intermittently,or burns out too quickly	Lamp missing or blown	Disconnect fixture and replace lamp
	Fixture or lamp is too hot	Allow fixture to cool. If problem persists,contact service technician

Section 3. Troubleshooting

Section 4. Reference

- ✧ Control Menu
- ✧ DMX Protocol
- ✧ Specification

Control Menu

No.	Manual	Function Specification (Press" ENTER")	
1	r— —	r000 to r255 : from dark to bright	The 4 color's different brightness can mix out all kinds of color
2	g— —	g000 to g255: from dark to bright	
3	b— —	b000 to b255: from dark to bright	
4	n— —	n000 to n255: White from dark to bright	
5	C— —	C000 to C255: 7 color shade speed, from slow to fast	
6	J— —	J000 to J255: 7 color skip speed, from slow to fast.	
7	FS— —	FS00 to FS09: choose flashing color	
8	F— —	F000 to F255: flash speed, from slow to fast	
9	LS— —	LS00 to LS09: choose color	
10	L— —	L000 to L255: 7 color from dark to bright.	
11	U— —	U00 to U255: sound active speed, from slow to fast	
12	A— —	A000 to A255: auto speed, from slow to fast	
13	d9CH	DMX 9 channel mode, should connect with DMX controller	
14	d5CH	DMX 5 channel mode, should connect with DMX controller	

Section 5.IR controller



Controlled by IR only

OFF- LED OFF

ON – ALL LED FULL BRIGHT

COLOR CHOOSE AREA- CHOOSE THE COLOR YOU WANTED

UP/DOWN- PRESS IT TO CHANGE THE BRIGHTNESS OF THE COLOR OR SPEED OF STROBE/COLOR CHANGE/FLADE OR DETECTION SENSE OF SOUND ACTIVE.

Change to DMX controller

Please ON and press UP/DOWN to change the DMX address of par light. And edit the program by the DMX controller. (default setting is lead to d---)

Importance- IR controller is recommended control distance 5meters MAX.

up	down	off	on
RED	GREEN	BLUE	WHITE
COLOR1	COLOR2	COLOR3	STROBE
COLOR4	COLOR5	COLOR6	COLOR CHANGE
COLOR7	COLOR8	COLOR9	FLADE
COLOR10	COLOR11	COLOR12	SOUND